



BEST AVAILABLE COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE Attorney Docket No. 14366US02

In the Application of:

Ronald L. Mahany and
Stephen J. Kelly

U.S. Serial No.: 10/646,318

Filed: August 22, 2003

For: HAND-HELD DATA CAPTURE
SYSTEM WITH
INTERCHANGEABLE MODULES

Examiner: Tremblay, Mark Stephen

Group Art Unit: 2876

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 14, 2005.

By: Ronald Spuhler
Ronald H. Spuhler
Reg. No. 52,245

Express Mail Label No. EV304941475US

PETITION UNDER 37 CFR § 1.48(a)

The applicants respectfully petition the Director, under 37 CFR § 1.48(a), to correct the inventive entity for the present application.

On April 25, 2005, Applicants submitted a petition under 37 CFR § 1.47(a) to add Keith Cargin as a named inventor. The Director denied Applicants' petition because the newly submitted oath did not include the address or citizenship of Keith Cargin, the non-signing inventor (although such information was included in Applicants' petition). Accordingly, the Director also denied Applicants' concurrent petition under 37 CFR § 1.48(a) because the Applicants had not submitted either 1) the required statement from each person being added as an inventor that the error in inventorship occurred without deceptive intent; or 2) a valid petition under 37 CFR § 1.47 that the inventor refused to cooperate during prosecution. Applicants have resubmitted their petition, under 37 CFR § 1.47(a), to add Keith Cargin as a named inventor, which a Second Supplemental Declaration for Patent Application. As such, Applicants respectfully resubmit for consideration their renewed Petition Under 37 CFR § 1.48.

As mentioned in more detail in Applicants' concurrent Petition Under 37 CFR § 1.47(a), Broadcom Corporation acquired all rights in the present application from

Intermec Technologies. All relevant assignment documents transferring rights from the named inventors to Broadcom are attached as Exhibit A.

In connection with the filing and prosecution of this case, Broadcom attempted to contact numerous Intermec employees to confirm the proper inventive entity for the claimed invention. On October 20, 2004, Applicants submitted its response to the Notice of Informal Application, which included a Supplemental Oath executed by two joint inventors – Ronald Mahany and Stephen Kelly. A copy of this oath is attached as Exhibit B.

Broadcom's diligence, however, has uncovered that a third inventor, Keith Cargin, should be named as an inventor in the present application. However, as described in further detail in Applicants' concurrent motion, Mr. Cargin has refused to sign an oath. Accordingly, Applicants were forced to petition to proceed without Mr. Cargin's involvement. In the event that the Patent Office grants Applicants' petition under 37 CFR 1.47(a), Applicants respectfully request that the Office accept the Second Supplemental Combined Declaration and Power of Attorney, attached as Exhibit C, which has been executed on behalf of Mr. Cargin by the joint inventors.

Applicants state that the omission of Keith Cargin in the original application and the Supplemental Declaration occurred without deceptive intent, and was caused only because Applicants' counsel could not contact Mr. Cargin.

The fee for this petition is understood to be \$130.00. 37 CFR § 1.17(i). Please charge this fee, and any additional fee presently required, to Deposit Account 13-0017.

Respectfully submitted,
McAndrews, Held & Malloy, Ltd.

By: Ronald H. Spuhler
Ronald H. Spuhler
Reg. No. 52,245
McAndrews, Held & Malloy, Ltd.
34th Floor
500 West Madison Street
Chicago, IL 60661
312/775-8000
Attorney for applicant(s)

Dated: September 14, 2005

ASSIGNEE STATEMENT UNDER 37 C.F.R. § 3.73(b)

Attached as Exhibit D is a statement from the assignee, Broadcom Corporation, which was submitted in the initial petition. Broadcom remains the assignee of the entire right, title and interest in the claimed invention.

MCANDREWS, HELD & MALLOY
34TH FLOOR
500 WEST MADISON STREET
CHICAGO, ILLINOIS 60661

ARO PLEASE DELIVER RETURN RECEIPT TO
Laura Personick

TELEPHONE: (312) 775-8000
FACSIMILE: (312) 775-8100



Certificate of Transmission under 37 CFR 1.8

CONFIDENTIAL

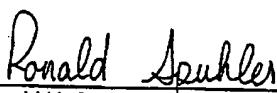
THE ENCLOSED MATERIAL IS INTENDED FOR THE RECIPIENT NAMED BELOW AND, UNLESS OTHERWISE EXPRESSLY INDICATED, IS CONFIDENTIAL AND PRIVILEGED INFORMATION. ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THE ENCLOSED MATERIALS IS PROHIBITED. IF YOU RECEIVE THIS TRANSMISSION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE, AT OUR EXPENSE, AND DESTROY THE ENCLOSED MATERIALS. YOUR COOPERATION IS APPRECIATED.

TO:	Mail Stop Assignment Recordation Services	
	FAX NO.: 703-306-5995	
FROM:	Ronald H. Spuhler	USER ID: 8210
CLIENT:	1772	MATTER: 14366US02

Number of Pages This Transmission (Including Cover Page): 17

Submission of Fax Filed Assignment Serial Number (10/646,318)

I hereby certify that the attached RECORDATION FORM COVER SHEET and ASSIGNMENT is being transmitted via facsimile to the United States Patent and Trademark Office on April 25, 2005.


Ronald H. Spuhler
Reg. No. 52,245

If you have problems receiving this facsimile transmission, please contact the sender at the above telephone number.

TX RESULT REPORT

NAME:
TEL :3127758100
DATE:APR.25'2005 15:27

SESSION	FUNCTION	NO.	DESTINATION STATION	DATE	TIME	PAGE	DURATION	MODE	RESULT
4684	TX	01	#406917033065995	APR.25	15:20	017	00H06'50"	ECM	OK

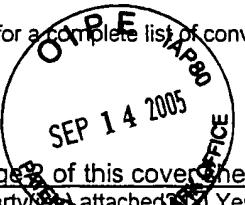
14366US02

RECORDATION FORM COVER SHEET

PATENTS ONLY

To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):
Barrell L. Boatwright et al.
(See page 2 of this cover sheet for a complete list of conveying parties)



Execution Date(s) See page 2 of this cover sheet
Additional name of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application number(s) or patent number(s):

A. Patent Application No.(s)

10/646,318

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Ronald H. Spuhler

Internal Address: McAndrews, Held & Malloy, Ltd.

Street Address: 500 West Madison Street, 34th Floor

City: Chicago

State: Illinois Zip: 60661

Phone Number: 312-775-8000

Fax Number: 312-775-8100

Email Address: RSpuhler@mhma.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 13-0017

Authorized User Name McAndrews Held & Malloy, Ltd.

9. Signature:

Signature

Ronald H. Spuhler, Reg. No. 52,245

April 25, 2005

Date

Total number of pages including cover sheet, attachments, and documents

16

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450



MCANDREWS, HELD & MALLOY
34TH FLOOR
500 WEST MADISON STREET
CHICAGO, ILLINOIS 60661

ARO PLEASE DELIVER RETURN RECEIPT TO

Laura Personick

TELEPHONE: (312) 775-8000

FACSIMILE: (312) 775-8100

Certificate of Transmission under 37 CFR 1.8

CONFIDENTIAL

THE ENCLOSED MATERIAL IS INTENDED FOR THE RECIPIENT NAMED BELOW AND, UNLESS OTHERWISE EXPRESSLY INDICATED, IS CONFIDENTIAL AND PRIVILEGED INFORMATION. ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THE ENCLOSED MATERIALS IS PROHIBITED. IF YOU RECEIVE THIS TRANSMISSION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE, AT OUR EXPENSE, AND DESTROY THE ENCLOSED MATERIALS. YOUR COOPERATION IS APPRECIATED.

TO:	Mail Stop Assignment Recordation Services	
	FAX NO.:	703-306-5995
FROM:	Ronald H. Spuhler	USER ID: 8210
CLIENT:	1772	MATTER: 14366US02

Number of Pages This Transmission (Including Cover Page): 11

Submission of Fax Filed Assignment Serial Number (10/646,318)

I hereby certify that the attached RECORDATION FORM COVER SHEET and ASSIGNMENT is being transmitted via facsimile to the United States Patent and Trademark Office on April 19, 2005.

Ronald Spuhler
Ronald H. Spuhler
Reg. No. 52,245

If you have problems receiving this facsimile transmission, please contact the sender at the above telephone number.

TX RESULT REPORT

NAME:
TEL :3127758100
DATE:APR.19'2005 14:27

SESSION	FUNCTION	NO.	DESTINATION STATION	DATE	TIME	PAGE	DURATION	MODE	RESULT
4652	TX	01	#786917033065995	APR.19	14:21	011	00H05'38"	ECM	OK

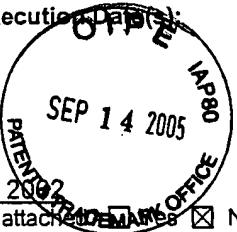
14366US02

RECORDATION FORM COVER SHEET

PATENTS ONLY

To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):
Intermec IP Corp.



Execution Date(s) December 24, 2002
Additional name of conveying party(ies) attached? No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application number(s) or patent number(s):

A. Patent Application No.(s)

10/646,318

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Ronald H. Spuhler

Internal Address: McAndrews, Held & Malloy, Ltd.

Street Address: 500 West Madison Street, 34th Floor

City: Chicago

State: Illinois Zip: 60661

Phone Number: 312-775-8000

Fax Number: 312-775-8100

Email Address: RSpuhler@mhma.com

6. Total number of applications and patents involved:

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 13-0017

Authorized User Name McAndrews Held & Malloy, Ltd.

9. Signature:

Ronald H. Spuhler

Signature

Ronald H. Spuhler, Reg. No. 52,245

April 19, 2005

Date

Total number of pages including cover sheet, attachments, and documents

10

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

THIS ASSIGNMENT is made and effective as of the 24th day of December, 2002. by INTERMEC IP CORP. (hereinafter referred to as the "ASSIGNOR"), a company organized and existing under the laws of Delaware, having a principal place of business at 21900 Burbank Boulevard, Woodland Hills, CA 91367.

WITNESSETH

WHEREAS, said ASSIGNOR is the owner of the entire right, title and interest in and to the Patent Applications and Patents in the United States of America and other foreign countries, set forth in Attachment A hereto;

WHEREAS, BROADCOM CORPORATION, a company organized and existing under the laws of Delaware, having a principal place of business at 16215 Alston Parkway, Irvine, California 92619, (the "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to such Patents Applications and Patents, both from the United States and foreign.

Now therefore, in exchange for receipt of good and sufficient consideration, the receipt and sufficiency of which is hereby acknowledged, and as agreed to by the ASSIGNEE and ASSIGNOR, ASSIGNOR hereby assigns and transfers to ASSIGNEE and ASSIGNEE accepts, all of the rights, title and interest of ASSIGNOR throughout the World in and to any and all inventions claimed or disclosed in such Patents and Patent Applications which are set forth and listed in Attachment A hereto.

This Assignment includes all of ASSIGNOR's right, title and interest in, to and under each of the Patent Applications and Patents set forth and listed in Attachment A hereto (including, without limitation, rights to damages and payments for past, present or future infringements or misappropriations); and, as agreed between the parties, all continuations, continuations-in-part, divisionals, substitute, reexaminations, post-opposition foreign counterpart patents, and applications, reissues and extensions thereof, if any; and, ASSIGNOR requests the Commissioner of Patents of the United States (and all foreign officials, whose duty it is to issue patents on applications as aforesaid) to record ASSIGNEE as the owner of such Patent or Application, to the same extent as held by ASSIGNOR, and to issue the Letters Patent for said Patents to be in the name of the said ASSIGNEE, as an assignee of the Patents.

INTERMEC IP CORP., ASSIGNOR

By: Daniel S. Bishop

BROADCOM CORP., ASSIGNEE

By: W. J. Brock

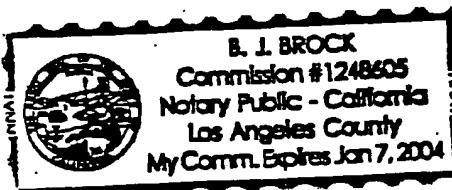
County of Los Angeles)
) ss.
State of California)

On December 23, 2002, before me, BJ Brock, Notary Public personally appeared Daniel S. Bishop, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the entity upon behalf of which he/she acted, executed the instrument.

WITNESS my hand and official seal:

BJ BROCK

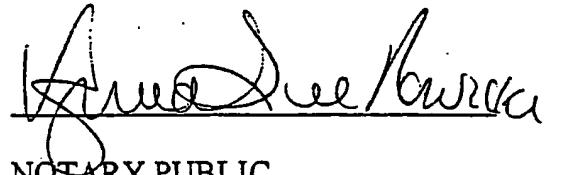
NOTARY PUBLIC



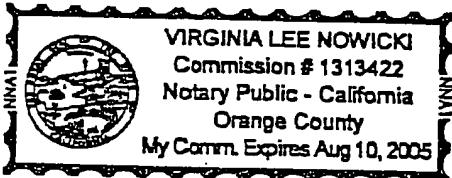
County of Orange)
) ss.
State of California)

On January 17, 2003, before me, Virginia Lee Nowicki, Notary Public personally appeared William J Ruehle, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that ~~he/she~~ executed the same in ~~his/her~~ authorized capacity, and that by ~~his/her~~ signature on the instrument, the entity upon behalf of which ~~he/she~~ acted, executed the instrument.

WITNESS my hand and official seal:



NOTARY PUBLIC





ATTACHMENT A

Docket No.	Patent No.	Serial No.	Country	Title
36500	4910794		US	Mobile Radio Data Communication System & Method
36500ZXD		10/057816	US	Remote Radio Data Communication System with Data Rate Switching
36625X	4924462		US	Multiterminal Communication System and Method
37139	5052020		US	Method of and Apparatus for Controlling Modulation of Digital Signals in Frequency-Modulated Transmissions
37139X/CA	2074169		CA	Method of and Apparatus For Controlling Modulation of Digital Signals in Frequency-Modulated Transmissions
36500X	5070536		US	Mobile Radio Data Communication System and Method
	1316218		CA	Mobile Radio Data Communication System and Method
	2223914		GB	Mobile Radio Data Communication System and Method
36767XY	5202817		US	Hand-Held Data Capture System With Interchangeable Modules
36767XZ	5218187		US	Hand-Held Data Capture System with Interchangeable Modules
	678135		AU	Hand-Held Data Capture System with Interchangeable Modules
	69231057.6		DE	Hand-Held Data Capture System with Interchangeable Modules
	573567		GB	Hand-Held Data Capture System with Interchangeable Modules
	2104788		CA	Hand-Held Data Capture System with Interchangeable Modules
	573567		FR	Hand-Held Data Capture System with Interchangeable Modules
37882X	5295154		US	Radio Frequency Local Area Network
36767YXX	5313053		US	Laser Scanner Module Having Integral Interfacing with Hand-Held Data Capture Terminal
36767XZX	5331136		US	Hand-Held Data Capture System with Interchangeable Modules
38127		08/513658	US	Modular, Portable Data Processing Terminal For use in a Communication Network
37139XX	5365546		US	Method of and Apparatus for Controlling Modulation of Digital Signals in Frequency Modulated Transmissions
37882YC	5394436		US	Radio Frequency Local Area Network
36767XB		08/478488	US	Hand-Held Data Capture System with Interchangeable Modules
36767XYA	5418684		US	Hand-Held Data Capture System with Interchangeable Modules
37834ZX	5425051		US	Radio Frequency Communication Network Having Adaptive Parameters
37882XA	5428636		US	Radio Frequency Local Area Network
36500XXX	5483676		US	Mobile Radio Data Communication System and Method
INT094-04	5495500		US	Homodyne Radio Architecture for Direct Sequence Spread Spectrum Data Reception
37972C	5500872		US	Spread Spectrum Base Band Processor

Docket No.	Patent No.	Serial No.	Country	Title
37882YAX	5504746		US	Radio Frequency Local Area Network
DN		02012917.7	EP	Radio Frequency Local Area Network
37882YPCT				
	664864		AU	Radio Frequency Local Area Network
	701114		AU	Radio Frequency Local Area Network
36808XYC	5515303		US	Hand-held Computerized Data Collection Terminal with Rechargeable Battery Pack Sensor and Battery Power Conservation
36808XYE		08/921485	US	Hand-Held Computerized Data Collection Terminal
36767XYC	5530619		US	Hand-held Data Capture System with Interchangeable Modules and Side-Mounted Function Key
37940E	5539193		US	Modular Hand-Held Data Entry System
37940F	5539194		US	Modular Hand-Held Data Entry System
38050B	5546397		US	High Reliability Access Point for Wireless Local Area Network
38050BB		09/357429	US	Local Area Network Having Multiple Channel Wireless Access
37139XXA	5555276		US	Method of and Apparatus for Controlling Modulation of Digital Signals in Frequency - Modulated Transmissions
INT093-49	5565670		US	Cordless RF Link for Bar Code Input Device Modulating Impulses Corresponding to Data State Transitions
36767XZXX	5567925		US	Hand-Held Data Capture System with Interchangeable Modules
37998XB	5574979		US	Periodic Interference Avoidance in a Wireless Radio Frequency Communication System
38017	5590346		US	Antenna Cap for Computer Device Utilizing a Radio Card
INT093-09C	5602380		US	Barcode Scanner-Reader Wireless Infrared Link
37967B	5602854		US	Wireless Personal Local Area Network Utilizing Removable Frequency Modules with Digital Interfaces and Idle Sense Communication Protocol
INT090-05C	5610595		US	Packet Radio Communication System Protocol
38157	5627412		US	Dynamically Switchable Power Supply
38157XA		09/735406	US	Battery Powered Device with Dynamic Power and Performance Management
37998XD	5657317		US	Hierarchical Communication System Using Premises, Peripheral and Vehicular Local Area Networking
37882AXX	5673031		US	Redundant Radio Frequency Network Having a Roaming Terminal Communication Protocol
37882AAWC		09/960265	US	Redundant Radio Frequency Network Having a Roaming Terminal Communication Protocol
37977B	5679943		US	Hand-Held Terminal with Display Screens, Interactive Screens, Magnetic Credit Card Readers, Scanners, Printers and Handlers
36767XZAB	5680633		US	Modular, Portable Data Processing Terminal for use in a Radio Frequency Communication Network

Docket No	Patent No	Serial No	Country	Title
38163AY		08/973195	US	Spread Spectrum Transceiver Module Utilizing Multiple Mode Transmission
37967C	5682379		US	Wireless Personal Local Area Network
	696841		AU	Wireless Personal Local Area Network
	2152598		CA	Wireless Personal Local Area Network
	94905966.1		EP	Wireless Personal Local Area Network
37967X		08/499328	US	Transaction Control System Including Portable Data Terminal and Mobile Customer Service Station
37998G	5696903		US	Hierarchical Communications System using Microlink, Data Rate Switching, Frequency Hopping and Vehicular Local Area Networking
INT094-11	5703950		US	Method and Apparatus for Controlling Country Specific Frequency Allocation
37834YYB	5708680		US	Network Utilizing a Controller and Base Transceivers to Route Voice Packets
38000FB	5708833		US	Antenna Cap, Antenna Connectors and Telephone Line Connectors for Computer Devices Utilizing Radio and Modem Cards
38000FBA		09/006566	US	Antenna Cap, Antenna Connectors and Telephone Line Connectors for Computer Utilizing Radio and Modem Cards
37998XG	5726984		US	Hierarchical Data Collection Network Supporting Packetized Voice Communications Among Wireless Terminals and Telephones
38099A	5734585		US	Method and Apparatus for Sequencing Power Delivery in Mixed Supply Computer Systems
37882YD	5740366		US	Communication Network Having a Plurality of Bridging Nodes which Transmit A Beam to Terminal Nodes in Power Saving State that it Has Messages Awaiting Delivery
36808YXCB	5747786		US	Communication Module for a Data Capture System
38009EA	5748619		US	Communication Network Providing Wireless and Hard-Wired Dynamic Routing
	679593		AU	Communication Network Providing Wireless and Hard-Wired Dynamic Routing
38000G/EP		94916663.1	EP	Multiple Antenna Selection and Antenna Cap for Computer Devices Utilizing Radio and Modem Cards
38072	5748676		US	Network Utilizing Modified Preambles that Support Antenna Diversity
37998XE	5790536		US	Hierarchical Communication System Providing Intelligent Data, Program and Processing Migration
	700800		AU	Hierarchical Communication System Providing Intelligent Data, Program and Processing Migration
	715628		AU	Hierarchical Communication System Providing Intelligent Data, Program and Processing Migration
37998XE/EP		95927421.8	EP	Hierarchical Communication System Providing Intelligent Data Program

Docket No	Patent No	Serial No	Country	Title
and Processing Migration				
37998XEB	09/723930	US		Hierarchical Communications System
37967XA	09/123875	US		Enhanced Mobility and Address Resolution in a Wireless Premises Based Network
36837E	5805807	US		Multilevel Data Communication System Including Local and Host Systems
37834YYA	5844893	US		System for Coupling Host Computer Means with Base Transceiver Units on a Local Area Network
37834YY1	09/972749	US		System for Coupling a Multiplicity of RF Data Collection Terminals with Host Computer Means
37834ZXA	5862171	US		Radio Frequency Communication Network Having Adaptive Communication Parameters
37834ZXC	09/799340	US		Radio Frequency Communication Network Having Adaptive Communication Parameters
38017A	5870279	US		Antenna Cap for Computer Device Utilizing a Radio Card
38066X	5880867	US		Infrared Backbone Communication Network Having a Radio Frequency Backup Channel
38066A	5880868	US		Infrared Backbone Communication Network Having a Radio Frequency Backup Channel
36500YZCXA	5896561	US		Communication Network Having a Dormant Polling Protocol
36767XYD	5898162	US		Hand-Held Data Capture System with Interchangeable Module
INT096-32	5912921	US		Concurrent Multiple Data Rate Communications in a Wireless Local Area Network
37139XXB	5912926	US		Method and Apparatus for Controlling Modulation of Digital Signals in Frequency Modulated Transmissions
37940G	5917175	US		Modular Hand-Held Data Entry System with Voice Interface
INT094-11C	5940509	US		Method and Apparatus for Controlling Country Specific Frequency Allocation
37834XXBX	5940771	US		Network Supporting Roaming, Sleeping Terminals
37834XXBY	09/318668	US		Network Supporting Roaming, Sleeping Terminals
INT096-30	5946344	US		Multiple-Rate Direct Sequence Architecture Utilizing a Fixed Chipping Rate and Variable Spreading Code Lengths
INT 096-30JP	10-542772	JP		Multiple-Rate Direct Sequence Architecture Utilizing a Fixed Chipping Rate and Variable Spreading Code Lengths
37998XDA	5949776	US		Hierarchical Communication System using Premises, Peripheral and Vehicular Local Area Networking
38050BAY	5960344	US		Local Area Network Having Multiple Channel Wireless Access
INT096-25	5982812	US		Method and Apparatus for Monitoring Frequency Synthesizer Locking Time
38190R	5990733	US		Delay Line Ramp Demodulator
38000EA	5991864	US		Power Connectors, Antenna Connectors and Telephone Line Connectors

Docket No.	Patent No.	Serial No.	Country	Title
			for Computer Devices Utilizing Radio and Modem Cards	
INT097-06	6005530		US	Switched Gain Antenna for Enhanced System Performance
INT095-35	6005885		US	Methodology for Discontinuous Radio Reception Utilizing Embedded Frame Length Words
36649XZC	6006100		US	Multi-Level, Hierarchical Radio-Frequency Communication System
		96116280.7	EP	
	641541		AU	Multi-Level, Hierarchical Radio-Frequency Communication System
	494298		GB	Multi-Level, Hierarchical Radio-Frequency Communication System
	494298		DE	Multi-Level, Hierarchical Radio-Frequency Communication System
	494298		ES	Multi-Level, Hierarchical Radio-Frequency Communication System
	494298		FR	Multi-Level, Hierarchical Radio-Frequency Communication System
	494298		IT	Multi-Level, Hierarchical Radio-Frequency Communication System
	494298		NL	Multi-Level, Hierarchical Radio-Frequency Communication System
36649XZD	09/467255		US	Multi-Level, Hierarchical Radio-Frequency Communication System
INT096-29	6009119		US	Adaptive Power Leveling of an RF Transceiver Utilizing Information Stored in Non-Volatile Memory
36767XZAC	6014705		US	Modular Portable Data Processing Terminal Having A Higher Layer and Lower Layer Partitioned Communication Protocol Stack for use in a Radio Frequency Communication Network
36767XZAE	09/597917		US	Modular Portable Data Processing Terminal for use in a Radio Frequency Communication Network
38072A	6018555		US	Network Utilizing Modified Preambles that Support Antenna Diversity
36808YXCD	6023147		US	Hand-Held Computerized Data Collection Terminal with Rechargeable Battery Pack Sensor and Battery Power Conservation
37882YAYA	6046992		US	A Radio Frequency Local Area Network
37882YAYB	09/542424		US	A Radio Frequency Local Area Network
INT096-31	6075807		US	Windowed Digital Matched Filter Circuit for Power Reduction in Battery-Powered CDMA Radios
37882XBA	6084867		US	Apparatus and Method of Routing Data in a Radio Frequency Local Area Network
36837EA	6192400		US	Multilevel Data Communication System Including Local and Host Systems
36767XYE	6244512		US	Hand-Held Data Capture System with Interchangeable Modules
38234RX	6281850		US	Broadband Multiple Element Antenna System
INT097-02	6320896		US	RF Receiver Having Frequency-Hopping/Direct-Sequence Spread Spectrum Signal Discrimination
INT097-03	6327312		US	RF Narrowband/Wideband Discriminating System for Spread Spectrum Signal Differentiation
37967CA	6359872		US	Wireless Personal Local Area Network

Docket No.	Patent No.	Serial No.	Country	Title
37967CAA		10/101436	US	Wireless Personal Local Area Network
37882YE	6374311		US	Radio Frequency Local Area Network
37882YEA		10/123873	US	Radio Frequency Local Area Network
37998XGA	6389010		US	Hierarchical Data Collection Network Supporting Packetized Voice Communications Among Wireless Terminals and Telephones
37998XGB		10/141506	US	Hierarchical Data Collection Network Supporting Packetized Voice Communications Among Wireless Terminals and Telephones
37882XBB	6400702		US	A Radio Frequency Local Area Network
37882XBC		10/162229	US	Radio Frequency Local Area Network
38009EBA	6407991		US	Communication Network Providing Wireless and Hard-Wired Dynamic Routing
38009EBB		10/144250	US	Communication Network Providing Wireless and Hard-Wired Dynamic Routing



MCANDREWS, HELD & MALLOY
34TH FLOOR
500 WEST MADISON STREET
CHICAGO, ILLINOIS 60661

ARO PLEASE DELIVER RETURN RECEIPT TO

Laura Personick

TELEPHONE: (312) 775-8000

FACSIMILE: (312) 775-8100

Certificate of Transmission under 37 CFR 1.8

CONFIDENTIAL

THE ENCLOSED MATERIAL IS INTENDED FOR THE RECIPIENT NAMED BELOW AND, UNLESS OTHERWISE EXPRESSLY INDICATED, IS CONFIDENTIAL AND PRIVILEGED INFORMATION. ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THE ENCLOSED MATERIALS IS PROHIBITED. IF YOU RECEIVE THIS TRANSMISSION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE, AT OUR EXPENSE, AND DESTROY THE ENCLOSED MATERIALS. YOUR COOPERATION IS APPRECIATED.

TO:	Mail Stop Assignment Recordation Services	
	FAX NO.: 703-305-5995	
FROM:	Ronald H. Spuhler	USER ID: 8210
CLIENT:	1772	MATTER: 14366US02

Number of Pages This Transmission (Including Cover Page): 5

Submission of Fax Filed Assignment Serial Number (10/646,318)

I hereby certify that the attached RECORDATION FORM COVER SHEET and ASSIGNMENT is being transmitted via facsimile to the United States Patent and Trademark Office on April 25, 2005.

Ronald Spuhler
Ronald H. Spuhler
Reg. No. 52,245

If you have problems receiving this facsimile transmission, please contact the sender at the above telephone number.

TX RESULT REPORT

NAME:
TEL :3127758100
DATE:APR.25'2005 15:29

SESSION	FUNCTION	NO.	DESTINATION STATION	DATE	TIME	PAGE	DURATION	MODE	RESULT
4685	TX	01	#904917033065995	APR.25	15:27	005	00H01'32"	ECM	OK

14366US02

RECORDATION FORM COVER SHEET

PATENTS ONLY

To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):
Norand Corporation



Execution Date(s) _____
Additional name of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other Effective Date: 12/28/97

4. Application number(s) or patent number(s):

A. Patent Application No.(s)

10/646,318

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Ronald H. Spuhler

Internal Address: McAndrews, Held & Malloy, Ltd.

Street Address: 500 West Madison Street, 34th Floor

City: Chicago

State: Illinois Zip: 60661

Phone Number: 312-775-8000

Fax Number: 312-775-8100

Email Address: RSpuhler@mhma.com

6. Total number of applications and patents involved:

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 13-0017

Authorized User Name McAndrews Held & Malloy, Ltd.

9. Signature:

Signature

Ronald H. Spuhler, Reg. No. 52,245

April 25, 2005

Date

Total number of pages including cover sheet, attachments, and documents

4

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

STATE of WASHINGTON



SECRETARY of STATE

I, RALPH MUNRO, Secretary of State of the State of Washington and custodian of its seal,

hereby certify this certificate that the attached is a true and correct copy of

ARTICLES OF MERGER

of

INTERMEC TECHNOLOGIES CORPORATION

Merging NORAND CORPORATION into INTERMEC TECHNOLOGIES
CORPORATION

as filed in this office on December 22, 1997



Date: May 13, 1998

Given under my hand and the Seal of the State
of Washington at Olympia, the State Capital


RALPH MUNRO
Secretary of State

PATENT
REEL: 010814 FRAME: 0909

XXIII. *U. M. E. K. E. R.*

STATE OF WASHINGTON

NORAND CORPORATION

DEUTERONOMY

AND

RALPH M. JONES
SECRETARY OF STATE

INTERMEC TECHNOLOGIES CORPORATION

Pursuant to the provisions of RCW 23B.11.040, the following Articles of Merger are executed for the purpose of merging Norand Corporation, a Delaware corporation ("Norand") and a wholly-owned subsidiary of Intermec Technologies Corporation, a Washington corporation ("Intermec"), with and into Intermec.

1. The Plan of Merger (the "Plan"), which has been adopted by the Board of Directors of Intermec, is attached hereto as Exhibit A.

2. Pursuant to the provisions of RCW 23B.11.040, the Plan does not require the approval of the shareholders of either Norand or Intermet.

DATED: December 16, 1997.

INTERMEC TECHNOLOGIES
CORPORATION

By 
Michael Ohanian, President

SEATTLE:293387.01

1934. 2312 09669 000

PATENT
REEL: 010814 FRAME: 0910

PLAN OF MERGER

1. The names of the corporations proposing to merge are Norand Corporation, a Delaware corporation ("Norand") and a wholly-owned subsidiary of Intermec Technologies Corporation, a Washington corporation ("Intermec"), and Intermec.

2. When the merger becomes effective, each outstanding share of common stock of Norand shall be canceled.

3. When the merger becomes effective, without further act, all other effects of merger as set forth in RCW 23B.11.060 shall occur.

4. It is the intention of Norand and Intermec that the merger shall be a tax-free liquidation pursuant to the applicable provisions of the Internal Revenue Code of 1986, as amended.

5. The merger shall become effective at 12:00 p.m., Pacific Standard Time, December 28, 1997.

DATED. November 1, 1997.

INTERMEC TECHNOLOGIES
CORPORATION

By: Michael Ohanian
Michael Ohanian, President

SEATTLE:293394-02

1997 3312 09-65 003

RECORDED: 05/16/2000

PATENT
REEL: 010814 FRAME: 0911



MCANDREWS, HELD & MALLOY
34TH FLOOR
500 WEST MADISON STREET
CHICAGO, ILLINOIS 60661

ARO PLEASE DELIVER RETURN RECEIPT TO
Laura Personick

TELEPHONE: (312) 775-8000
FACSIMILE: (312) 775-8100

Certificate of Transmission under 37 CFR 1.8

CONFIDENTIAL

THE ENCLOSED MATERIAL IS INTENDED FOR THE RECIPIENT NAMED BELOW AND, UNLESS OTHERWISE EXPRESSLY INDICATED, IS CONFIDENTIAL AND PRIVILEGED INFORMATION. ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THE ENCLOSED MATERIALS IS PROHIBITED. IF YOU RECEIVE THIS TRANSMISSION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE, AT OUR EXPENSE, AND DESTROY THE ENCLOSED MATERIALS. YOUR COOPERATION IS APPRECIATED.

TO:	Mail Stop Assignment Recordation Services	
	FAX NO.: 703-306-5995	
FROM:	Ronald H. Spuhler	USER ID: 8210
CLIENT:	1772	MATTER: 14366US02

Number of Pages This Transmission (Including Cover Page): 6

Submission of Fax Filed Assignment Serial Number (10/546,318)

I hereby certify that the attached RECORDATION FORM COVER SHEET and ASSIGNMENT is being transmitted via facsimile to the United States Patent and Trademark Office on April 25, 2005.

Ronald Spuhler
Ronald H. Spuhler
Reg. No. 52,245

If you have problems receiving this facsimile transmission, please contact the sender at the above telephone number.

TX RESULT REPORT

NAME:
TEL :3127758100
DATE:APR.25'2005 15:31

SESSION	FUNCTION	NO.	DESTINATION STATION	DATE	TIME	PAGE	DURATION	MODE	RESULT
4686	TX	01	#411917033065995	APR.25	15:29	006	00H01'47"	ECM	OK

14366US02

RECORDATION FORM COVER SHEET

PATENTS ONLY

To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Intermec Technologies Corporation



Execution Date(s) _____

Additional name of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application number(s) or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

10/646,318

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Ronald H. Spuhler

Internal Address: McAndrews, Held & Malloy, Ltd.

Street Address: 500 West Madison Street, 34th Floor

City: Chicago

State: Illinois Zip: 60661

Phone Number: 312-775-8000

Fax Number: 312-775-8100

Email Address: RSpuhler@mhma.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 13-0017

Authorized User Name McAndrews Held & Malloy, Ltd.

9. Signature:

Signature

Ronald H. Spuhler, Reg. No. 52,245

April 25, 2005

Date

Total number of pages including cover sheet, attachments, and documents

5

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

WHEREAS, Norand Corporation, formerly a corporation of Delaware with an office at 550 2nd Street S.E., Cedar Rapids, Iowa, has been merged into Intermec Technologies Corporation, a corporation of the State of Washington having an office at 6001 36th Avenue West, Everett, Washington 98203-9280 ("the Assignor");

WHEREAS, Norand Technology Corporation, formerly a corporation of Delaware with a registered office at 1013 Centre Road, Wilmington, Delaware, has been merged into Intermec IP Corp., a corporation of the State of Delaware having an office at 21900 Burbank Boulevard, Woodland Hills, California 91367-7418 ("the Assignee"), and by virtue of this merger with Assignee all right, title and interest in inventions and improvements assigned by Norand Corporation to Norand Technology Corporation prior to this merger, together with patents and patent applications based thereon, has already been vested in Assignee;

WHEREAS, by virtue of the merger with the Assignor, all right, title and interest in inventions and improvements originating with inventors having an obligation to assign to Norand Corporation together with United States and foreign patent applications based thereon, including all substitutions, divisionals and continuations, and all Letters Patent, United States and foreign, based thereon, including all extensions, reexaminations and reissues, (hereafter "Norand Corporation Patent Property"), has been vested in the Assignor, except as already vested in the Assignee as aforesaid; and remains vested in the Assignor except as heretofore assigned to the Assignee; said Norand Corporation Patent Property including the patents and patent applications shown on the attached PATENT LIST of APPENDIX A and PATENT APPLICATION LIST of APPENDIX B, and substitutions, divisionals and continuations thereof, and all Letters Patent, United States and foreign, based thereon, including extensions, reexaminations and reissues; and

WHEREAS, the Assignor desires to assign to the Assignee all its remaining right, title and interest in said Norand Corporation Patent Property together with any and all substitutions, divisional and continuation applications, and any and all Letters Patent of the United States and foreign countries which may be obtained based thereon

• acknowledged, the Assignor hereby sells, assigns and transfers to the Assignee, its successors and assigns, its entire remaining right, title and interest in and to said Norand Corporation Patent Property including the patents and patent applications set forth in the attached PATENT LIST of APPENDIX A and in the attached PATENT APPLICATION LIST of APPENDIX B, together with any and all substitute, divisional and continuation applications, and any and all Letters Patent of the United States and foreign countries which may be obtained based thereon, and in any reissues, reexaminations or extensions of such Letters Patent, and further assigns to said Assignee the priority rights provided by the International Convention.

The Assignor further assigns to the Assignee the right to sue for past infringement of any and all such Letters Patent.

The Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and the corresponding individual and/or entity of foreign countries, to issue said Letters Patent to said Assignee.

The Assignor warrants itself to be the owner of the entire right, title and interest in said inventions or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest hereby assigned.

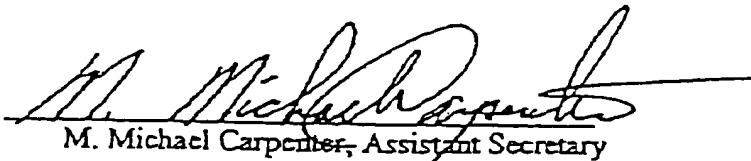
For said consideration the Assignor hereby agrees, upon the request and at the expense of said Assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said inventions or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue, reexamination or extension of any Letters Patent that may be granted upon said applications, and any and all applications and other documents for Letters Patent in foreign countries on said inventions or improvements, that said Assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the Assignor authorizes said Assignee to apply for Letters Patent for said inventions or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said Assignee, its successors and assigns, to cooperate to the best of the ability of the Assignor with said Assignee, its successors and assigns, in any proceedings or transactions involving such applications or Letters Patent, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and vest all

Letters Patents will be held and enjoyed by the said Assignee, its successor and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor if this Assignment has not been made.

WITNESS my hand and seal this 21 day of July, 1999.

INTERMEC TECHNOLOGIES CORPORATION

By


M. Michael Carpenter, Assistant Secretary

State of California

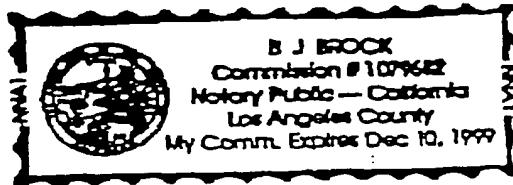
County of Los Angeles

On July 21, 1999 before me B J BROOK, a Notary Public, personally appeared M. Michael Carpenter, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

P. J. BROOK
Notary Public

My Commissioner Expires: 12-10-99



PATENT LIST

5,410,141 Hand-held data capture system with interchangeable modules

5,834,753 Laser scanner module having integral interface with hand-held data capture terminal
proximity and label sensing, and enhanced sensitivity and power efficiency

RECORDED: 05/16/2000

PATENT
REEL: 010814 FRAME: 0847



COVER SHEET (Continued)
PAGE 2 of 2

FORM PTO-1595
1-91-02

RECORDATION FORM COVER SHEET
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings $\leftarrow \rightarrow \leftarrow \rightarrow$

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

Name of Conveying Parties

Execution Date

Darrell L. Boatwright	May 30, 1990
Keith K. Cargin, Jr.	May 29, 1990
Arvin D. Danielson	May 25, 1990
Dennis A. Durbin	May 25, 1990
Robert G. Geers	May 29, 1990
William T. Gibbs	May 30, 1990
George E. Hanson	May 25, 1990
Stephen J. Kelly	May 30, 1990
Steven E. Koenck	May 25, 1990
Ronald L. Mahany	May 25, 1990
Philip Miller	May 25, 1990
Darald R. Schultz	May 25, 1990

7117

0236

REEL FRAME

I hereby certify that this paper is being deposited this date with the U.S. Postal Service as first class mail addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231.

John H. Sherman
Reg. No. 16,909

8/24/94
Date

A S S I G N M E N T

WHEREAS, we, DARRELL L. BOATWRIGHT, KEITH K. CARGIN, JR., ARVIN D. DANIELSON, DENNIS A. DURBIN, ROBERT G. GEERS, WILLIAM T. GIBBS, GEORGE E. HANSON, STEPHEN J. KELLY, STEVEN E. KOENCK, RONALD L. MAHANY, PHILLIP MILLER, and DARALD R. SCHULTZ, residents, respectively, of Cedar Rapids, in the County of Linn and State of Iowa, of Cedar Rapids, in the County of Linn and State of Iowa, of Solon in the County of Johnson and State of Iowa, of Cedar Rapids, in the County of Linn and State of Iowa, of Cedar Rapids, in the County of Linn and State of Iowa, of Cedar Rapids, in the County of Linn and State of Iowa, of Marion in the County of Linn and State of Iowa, of Cedar Rapids, in the County of Linn and State of Iowa, of Cedar Rapids, in the County of Linn and State of Iowa, of Cedar Rapids, in the County of Linn and State of Iowa, have invented certain new and useful improvements in a

**"HAND-HELD DATA CAPTURE SYSTEM WITH
INTERCHANGEABLE MODULES"**

as described or intended to be described and set forth in an international application for patent under the Patent Cooperation Treaty being filed in the United States Receiving Office, and designating the United States of America as a designated state, and signed on behalf of the inventors and assignee on June 5, 1990.

WHEREAS, NORAND CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having its principal place of business at Cedar Rapids, Iowa, is desirous of acquiring the entire right, title, and interest in and to said invention, improvements,

international application, corresponding regional and national applications, and any Letters Patent which may be granted therefor or thereupon, together with any and all divisions, continuations, reissues and extensions thereof:

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of One Dollar (\$1.00) to us in hand paid, and other good and valuable considerations, the receipt of which is hereby acknowledged, we, the aforesaid inventors, have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the said NORAND CORPORATION, its successors and assigns, the entire right, title and interest in and to said invention, improvements, applications, and any Letters Patent which may be granted therefor or thereupon, together with any and all divisions, continuations, reissues and extensions thereof, all our foreign rights to said invention, and all our rights under the International Convention in respect to said invention and applications, and authorize the said NORAND CORPORATION to apply for patents in foreign countries, claiming the filing date of the international application and any corresponding U.S. applications under the provisions of any relevant treaties. And we hereby agree to communicate to the said NORAND CORPORATION, or its representatives any facts known to us respecting said invention and improvements, to testify in any legal proceeding relating thereto, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and in addition to execute any and all documents that may be required in order that the said NORAND CORPORATION may make application for Letters Patent on said invention in foreign countries in its own name. And we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent which may be granted for or upon said invention or applications unto the said NORAND CORPORATION, its successors and assigns, in accordance with this assignment.

7117
0240
REEL FRAME

Signed at Cedar Rapids, in the County of Linn, and
State of Iowa, this 30th day of May,
1990.

Darrell L. Boatwright
Darrell L. Boatwright

STATE OF IOWA)
) SS.
COUNTY OF LINN)

I, John H. Sherman, a Notary Public in and for the County and State aforesaid, do hereby certify that DARRELL L. BOATWRIGHT personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 30th day
of May, 1990.

Notary Public

My Commission expires:
March 3, 1991

(SEAL)

Signed at Cedar Rapids, in the County of Linn, and
State of Iowa, this 29th day of May,
1990.

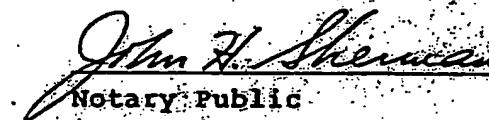


Keith K. Cargin, Jr.

STATE OF IOWA)
) SS.
 COUNTY OF LINN)

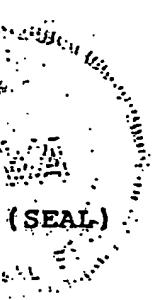
I, John H. Sherman, a Notary Public in and for the
County and State aforesaid, do hereby certify that KEITH K.
CARGIN, JR. personally known to me to be the same person
whose name is subscribed to the foregoing instrument,
appeared before me this day in person and acknowledged that
he signed, sealed and delivered the said instrument as his
free and voluntary act and deed for the uses and purposes
therein set forth.

Given under my hand and notarial seal this 29th day
of May, 1990.


Notary Public

My Commission expires:
March 3, 1991

(SEAL)



Signed at Cedar Rapids, in the County of Linn, and
State of Iowa, this 25th day of May,
1990.

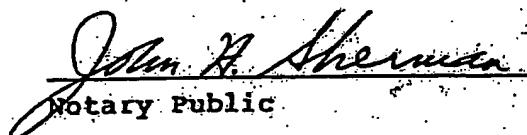


Arvin D. Danielson

STATE OF IOWA)
) SS.
COUNTY OF LINN)

I, John H. Sherman, a Notary Public in and for the County and State aforesaid, do hereby certify that ARVIN D. DANIELSON personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 25th day of May, 1990.


Notary Public

My Commission expires:
March 3, 1991

(SEAL)

Signed at Cedar Rapids, in the County of Linn, and
State of Iowa, this 25th day of May
1990.

Dennis A. Durbin

Dennis A. Durbin

STATE OF IOWA)
) ss.
 COUNTY OF LINN)

I, John H. Sherman, a Notary Public in and for the
County and State aforesaid, do hereby certify that DENNIS
A. DURBIN personally known to me to be the same person
whose name is subscribed to the foregoing instrument,
appeared before me this day in person and acknowledged that
he signed, sealed and delivered the said instrument as his
free and voluntary act and deed, for the uses and purposes
therein set forth.

Given under my hand and notarial seal this 25th day
of May, 1990.

John H. Sherman
Notary Public

My Commission expires:
March 3, 1991

(SEAL)

Signed at Cedar Rapids, in the County of Linn, and
State of Iowa, this 29th day of May,
1990.

Robert G. Geers

Robert G. Geers

STATE OF Iowa)
) ss.
 COUNTY OF Linn)

I, John H. Sherman, a Notary Public in and for the
County and State aforesaid, do hereby certify that ROBERT
G. GEERS personally known to me to be the same person whose
name is subscribed to the foregoing instrument, appeared
before me this day in person and acknowledged that he
signed, sealed and delivered the said instrument as his
free and voluntary act and deed for the uses and purposes
therein set forth.

Given under my hand and notarial seal this 29th day
of May, 1990.

John H. Sherman
Notary Public

My Commission expires
March 3, 1991.

(SEAL)

Signed at Cedar Rapids, in the County of Linn, and
State of Iowa, this 30th day of May
1990.

William T. Gibbs

William T. Gibbs

STATE OF IOWA)
) ss.
COUNTY OF LINN)

I, John H. Sherman, a Notary Public in and for the County and State aforesaid, do hereby certify that WILLIAM T. GIBBS personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 30th day of May, 1990.

John H. Sherman
Notary Public

My Commission expires:
March 3, 1991

(SEAL)

Signed at Cedar Rapids, in the County of Linn, and
State of Iowa, this 25th day of May,
1990.

George E. Hanson
George E. Hanson

STATE OF IOWA)
) SS.
COUNTY OF LINN)

I, John H. Sherman, a Notary Public in and for the
County and State aforesaid, do hereby certify that GEORGE
E. HANSON personally known to me to be the same person
whose name is subscribed to the foregoing instrument,
appeared before me this day in person and acknowledged that
he signed, sealed and delivered the said instrument as his
free and voluntary act and deed for the uses and purposes
therein set forth.

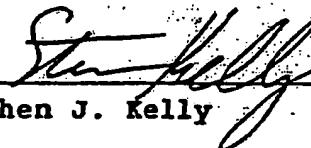
Given under my hand and notarial seal this 25th day
of May, 1990.

John H. Sherman
Notary Public

My Commission expires:
March 3, 1991

(SEAL)

Signed at Cedar Rapids, in the County of Linn, and
State of Iowa, this 30 day of May,
1990.


Stephen J. Kelly

STATE OF IOWA)
) SS.
COUNTY OF LINN)

I, John H. Sherman, a Notary Public in and for the
County and State aforesaid, do hereby certify that STEPHEN
J. KELLY personally known to me to be the same person whose
name is subscribed to the foregoing instrument, appeared
before me this day in person and acknowledged that he
signed, sealed and delivered the said instrument as his
free and voluntary act and deed for the uses and purposes
therein set forth.

Given under my hand and notarial seal this 30th day
of May, 1990.


John H. Sherman
Notary Public

My Commission expires:
March 3, 1991

(SEAL)

Signed at Cedar Rapids, in the County of Linn, and
State of Iowa, this 25 day of May,
1990.

Steven E. Koenck

STEVEN E. KOENCK

STATE OF IOWA)
) SS.
 COUNTY OF LINN)

I, John H. Sherman, a Notary Public in and for the
County and State aforesaid, do hereby certify that STEVEN
E. KOENCK personally known to me to be the same person
whose name is subscribed to the foregoing instrument,
appeared before me this day in person and acknowledged that
he signed, sealed and delivered the said instrument as his
free and voluntary act and deed for the uses and purposes
therein set forth.

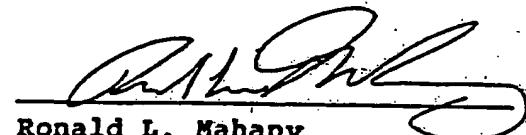
Given under my hand and notarial seal this 25th day
of May, 1990.

John H. Sherman
Notary Public

My Commission expires:
March 3, 1991.

(SEAL)

Signed at Cedar Rapids, in the County of Linn, and
State of Iowa, this 25th day of May
1990.

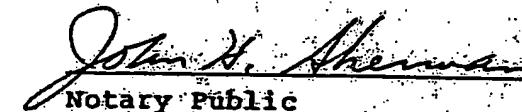


Ronald L. Mahany

STATE OF IOWA)
) SS.
 COUNTY OF LINN)

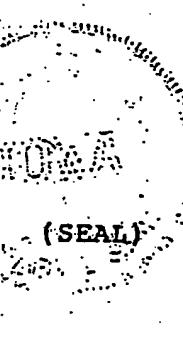
I, John H. Sherman, a Notary Public in and for the
County and State aforesaid, do hereby certify that RONALD
L. MAHANY personally known to me to be the same person
whose name is subscribed to the foregoing instrument,
appeared before me this day in person and acknowledged that
he signed, sealed and delivered the said instrument as his
free and voluntary act and deed for the uses and purposes
therein set forth.

Given under my hand and notarial seal this 25th day
of May, 1990.



Notary Public

My Commission expires:
March 3, 1991



(SEAL)

Signed at Cedar Rapids, in the County of Linn, and
State of Iowa, this 25th day of May,
1990.

Phillip Miller
Phillip Miller

STATE OF IOWA)
)
) SS.
COUNTY OF LINN)

I, John H. Sherman, a Notary Public in and for the
County and State aforesaid, do hereby certify that PHILLIP
MILLER personally known to me to be the same person whose
name is subscribed to the foregoing instrument, appeared
before me this day in person and acknowledged that he
signed, sealed and delivered the said instrument as his
free and voluntary act and deed for the uses and purposes
therein set forth.

Given under my hand and notarial seal this 25th day
of May, 1990.

John H. Sherman
Notary Public

My Commission expires:
March 3, 1991

(SEAL)

Signed at Cedar Rapids, in the County of Linn, and
State of Iowa, this 25th day of May,
1990.

Darald R. Schultz
Darald R. Schultz

STATE OF IOWA)
) SS.
COUNTY OF LINN)

I, John H. Sherman, a Notary Public in and for the
County and State aforesaid, do hereby certify that DARALD
R. SCHULTZ personally known to me to be the same person
whose name is subscribed to the foregoing instrument,
appeared before me this day in person and acknowledged that
he signed, sealed and delivered the said instrument as his
free and voluntary act and deed for the uses and purposes
therein set forth.

Given under my hand and notarial seal this 25th day
of May, 1990.

RECORDED
PATENT & TRADEMARK OFFICE

AUG 29 94

John H. Sherman
Notary Public

My Commission expires:
March 3, 1991

(SEAL)

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.



SUPPLEMENTAL DECLARATION FOR PATENT APPLICATION

Case No. 14366US02

Inventors: Ronald L. Mahany Serial No. 10/646,318
Stephen J. Kelly Filing Date: 08/22/2003

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **HAND-HELD DATA CAPTURE SYSTEM WITH INTERCHANGEABLE MODULES**, the specification of which

(check one) is attached hereto.

[X] was filed on August 22, 2003, as Application Serial No. 10/646,318

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

Priority Claimed

(Number)	(Country)	(Date Filed)
----------	-----------	--------------

Yes/No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application or any international application designating the United States under Title 35, United

States Code, §365 listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56, regarding events which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Serial No. 08/478,488 filed June 7, 1995
U.S. Serial No. 08/360,014 filed December 20, 1994
U.S. Serial No. 07/777,393, now U.S. Patent 5,410,141, filed June 7, 1990, which is the
U.S.A. national phase of International Application No. PCT/US/90/03282
U.S. Serial No. 07/364,902, filed June 8, 1989
U.S. Serial No. 07/364,594 filed June 7, 1989
U.S. Serial No. 08/040,313, now U.S. Patent 5,468,947, filed March 29, 1993
U.S. Serial No. 07/451,322, now U.S. Patent 5,227,614, filed December 15, 1989
U.S. Serial No. 07/143,921, filed January 14, 1988
U.S. Serial No. 07/707,954, filed May 22, 1991
U.S. Serial No. 07/339,330, filed April 14, 1989
U.S. Serial No. 07/744,813, filed August 12, 1991

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

First named inventor:

Full name Ronald L. Mahany

Inventor's Signature Ronald L. Mahany Date Oct 20, 2004

*by Ron Mahany, now known as Ron Mahany, trustee
(executor of the estate of Ronald L. Mahany)*

Address 3603 Carbone Ct NE, Cedar Rapids, IA 52402

Citizenship USA

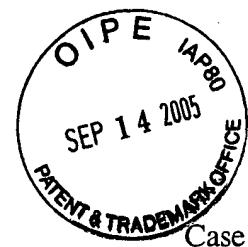
Second named inventor:

Full name Stephen J. Kelly

Inventor's Signature Stephen J. Kelly Date 10/20, 2004

Address 1870 Sugaridge Dr, Marion IA 52302

Citizenship USA



SECOND SUPPLEMENTAL DECLARATION FOR PATENT APPLICATION

Case No. 14366US02

Serial No. 10/646,318

Inventors: Ronald L. Mahany
Keith K. Cargin
Stephen J. Kelly

Filing Date: 08/22/2003

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **HAND-HELD DATA CAPTURE SYSTEM WITH INTERCHANGEABLE MODULES**, the specification of which

(check one) is attached hereto.

[X] was filed on August 22, 2003, as Application Serial No. 10/646,318

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)			<u>Priority Claimed</u>
<u>(Number)</u>	<u>(Country)</u>	<u>(Date Filed)</u>	<u>Yes/No</u>

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

(Application Serial No.)	(Filing Date)
--------------------------	---------------

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application or any international application designating the United States under Title 35, United

States Code, §365 listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56, regarding events which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Serial No. 08/478,488 filed June 7, 1995
U.S. Serial No. 08/360,014 filed December 20, 1994
U.S. Serial No. 07/777,393, now U.S. Patent 5,410,141, filed June 7, 1990, which is the
U.S.A. national phase of International Application No. PCT/US/90/03282
U.S. Serial No. 07/364,902, filed June 8, 1989
U.S. Serial No. 07/364,594 filed June 7, 1989
U.S. Serial No. 08/040,313, now U.S. Patent 5,468,947, filed March 29, 1993
U.S. Serial No. 07/451,322, now U.S. Patent 5,227,614, filed December 15, 1989
U.S. Serial No. 07/143,921, filed January 14, 1988
U.S. Serial No. 07/707,954, filed May 22, 1991
U.S. Serial No. 07/339,330, filed April 14, 1989
U.S. Serial No. 07/744,813, filed August 12, 1991

I have been informed that inventor Keith K. Cargin has refused to sign a declaration respecting this patent application. For that reason, I am making this declaration on my own behalf and on behalf of non-signing inventor Keith K. Cargin.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

First named inventor:

Full name Ronald L. Mahany

Inventor's Signature Ronald L. Mahany
Kamela Mahany Decker
Admir. of estate/trustee) Date 8/24/05, 2005

Address 3133 Adirondack Dr. NE. Cedar Rapids IA 52402

Citizenship USA

Second named inventor:

Full name Stephen J. Kelly

Inventor's Signature Stephen J. Kelly Date 9/8/ , 2005

Address 1870 Sugaridge Dr. Marion, IA 52302

Citizenship USA

Third named inventor:

Full name Keith K. Cargin

Inventor's Signature _____ Date _____, 2005

Address 3219 Blue Ridge Drive NE, Cedar Rapids, Iowa 52402

Citizenship USA

1.47(a), Applicants respectfully request that the Office accept the Second Supplemental Combined Declaration and Power of Attorney, attached as Exhibit C, which has been executed on behalf of Mr. Cargin by the joint inventors.

Applicants state that the omission of Keith Cargin in the original application and the Supplemental Declaration occurred without deceptive intent, and was caused only because Applicants' counsel could not contact Mr. Cargin.

The fee for this petition is understood to be \$130.00. 37 CFR § 1.17(i). Please charge this fee, and any additional fee presently required, to Deposit Account 13-0017.

Respectfully submitted,
McAndrews, Held & Malloy, Ltd.

Dated: April 25, 2005

By: Ronald Spuhler
Ronald H. Spuhler
Reg. No. 52,245
McAndrews, Held & Malloy, Ltd.
34th Floor
500 West Madison Street
Chicago, IL 60661
312/775-8000
Attorney for applicant(s)

ASSIGNEE STATEMENT UNDER 37 C.F.R. § 3.73(b)

We hereby state that we are the assignee of the entire right, title and interest in the present application and consent to the present petition.

Dee Henderson
Signature

April 19, 2005
Date

Dee Henderson
(type or print name of person
authorized to sign on behalf of
assignee)

Senior Manager, Intellectual Property
Title
Administration